

KEY TO THE OHIO ELMS IN THE WINTER CONDITION.

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Ulmus L. Trees with medium heavy and medium hard wood and rough flaky bark in ridges; twigs brown, the terminal bud self-pruned; visible bud scales several, dry; leaf scars semi-oval, 2-ranked, oblique; bundle scars 3; stipular scars prominent; pith small, cylindrical, solid; some with corky ridges on the twigs, others with abundant self-pruning scars either in the annual nodes or at the base of the twig.

1. Twigs very rough pubescent; inner bark mucilaginous, pleasant to the taste; buds very hairy at the tips; twigs never self-pruned; buds shed abundantly. *U. fulva* Michx. Slippery Elm
1. Twigs glabrous or slightly pubescent; not mucilaginous or slightly so, rather bitter; buds glabrous or if hairy rather small and pointed. 2.
2. Buds ovate short pointed, bud scales quite hairy; twigs without self-pruning joints in the annual nodes; none of the branches corky winged; cultivated. *U. campestris* L. English Elm
2. Buds ovate-conic with long points, bud scales glabrous or somewhat pubescent; twigs with self-pruning joints in the annual nodes, often leaving peculiar stumps; native. 3.
3. None of the branches corky-winged; buds pointed but rather elliptical, glabrous or nearly so. *U. americana* L. White Elm
3. Some or many of the branches corky-winged; buds very much pointed, somewhat pubescent. *U. racemosa* Thomas. Cork Elm